



Canadian Intellectual
Property Office

Office de la propriété
intellectuelle du Canada

Canada

ic.gc.ca
Programs and Services

Français
Industry
Canada

Contact Us
Site Map

Help
What's New

Search
About Us

Canada Site
Registration

CIPO OPI

Canadian Intellectual Property Office

Canadian Patents Database

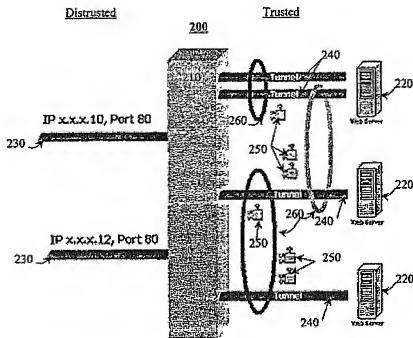
(12) Patent Application:

(11) CA 2441230

(54) APPLICATION LAYER SECURITY METHOD AND SYSTEM

(54) PROCEDE ET SYSTEME DE SECURITE DE COUCHES D'APPLICATIONS

Representative Drawing:



[View or Download Images](#)

[View Administrative Status](#)

ABSTRACT

Figure 2A illustrates an application layer security system (200) according to an embodiment of the invention. Particularly, protective layer (210) is implemented between a disturbed environment and trusted environment including one or more applications residing on one or more web servers (220). Protective layer (210) protects trusted applications from malicious operation requests sent via a disturbed source. Each incoming operation request can comprise a plurality of requested commands, parameters, and parameter values to be performed by and application. Incoming operation requests may be received as external HTTP traffic via one or more ports (230). Security system (200) includes tunnels (240) to support single, distributed, or share applications. Tunnels (240) are protocol based, e.g., TCP/IP, connections between the disturbed and trusted environments. Each tunnel (240) can implement and validate a specified application protocol, such as, for example, HTTP, HTTPS, SOAP. System (200) further includes one or more pipes (250) to provided to protect or monitor functionality of the applications, and the system also includes web applications (260). Further, web applications (260) can customize pipes execution to specific application paths.

Examination requested: **2007-03-15**
 (51) International Class (IPC): **G06F 11/30** (2006.01)
G06F 21/00 (2006.01)
H04L 29/06 (2006.01)

Patent Cooperation Treaty (PCT): **Yes**

(86) <u>PCT Filing Number</u> :	PCT/US2002/008029
(87) <u>International publication number</u> :	WO2002/075547
(85) <u>National Entry</u> :	2003-09-11

(30) Application priority data:

Application No.	Country	Date
09/809,030	United States	2001-03-16

Availability of licence: **N/A**

Language of filing: **English**

View or Download Images

Click on image section link to view the image or click on PDF link to download the section.

		Pages
<u>Cover Page</u>	<u>PDF</u>	2
<u>Abstract</u>	<u>PDF</u>	2
<u>Claims</u>	<u>PDF</u>	15
<u>Description</u>	<u>PDF</u>	34
<u>Drawings</u>	<u>PDF</u>	17
<u>Representative Drawing</u>	<u>PDF</u>	1